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Form PTO 948 (Rev. 06/01)

Application No.

09/975342

U.S. DEPARTMENT OF COMMERCE  
U.S. Patent and Trademark Office

## NOTICE OF DRAFTSPERSON'S PATENT DRAWING REVIEW

The drawing(s) filed (insert date) 1/8/02 are:

- A. ☐ approved by the Draftsperson under 37 CFR 1.84 or 1.152.  
 B. ☒ objected to by the Draftsperson under 37 CFR 1.84 or 1.152 for the reasons indicated below. Corrected drawings are required.

1. **DRAWINGS.** 37 CFR 1.84(a): Acceptable categories of drawings: Black ink or Color (3 sets required).  
 \_\_\_ Color drawings are not acceptable until petition is granted. Fig(s) \_\_\_\_\_  
 \_\_\_ Pencil and non black ink not permitted. Fig(s) \_\_\_\_\_
2. **PHOTOGRAPHS.** 37 CFR 1.84(b)  
 \_\_\_ One (1) full-tone set is required. Fig(s) \_\_\_\_\_  
 \_\_\_ Photographs may not be mounted. 37 CFR 1.84(c)  
 \_\_\_ Photographs must meet paper size requirements of 37 CFR 1.84(f). Fig(s) \_\_\_\_\_  
 \_\_\_ Poor quality (half-tone). Fig(s) \_\_\_\_\_
3. **TYPE OF PAPER.** 37 CFR 1.84(e)  
 \_\_\_ Paper not flexible, strong, white, and durable. Fig(s) \_\_\_\_\_  
 \_\_\_ Erasures, alterations, overwritings, interlineations, folds, copy machine marks not accepted. Fig(s) \_\_\_\_\_
4. **SIZE OF PAPER.** 37 CFR 1.84(f): Acceptable sizes  
 21.0 cm by 29.7 cm (DIN size A4) or  
 21.6 cm by 27.9 cm (8 1/2 x 11 inches)  
 \_\_\_ All drawing sheets not the same size.  
 \_\_\_ Sheet(s) \_\_\_\_\_  
 \_\_\_ Drawing sheets not an acceptable size. Fig(s) \_\_\_\_\_
5. **MARGINS.** 37 CFR 1.84(g): Acceptable margins:  
 Top: 5 cm Left 2.5 cm Right 1.5 cm Bottom 1.0 cm  
 \_\_\_ Margins not acceptable. Fig(s) \_\_\_\_\_  
 \_\_\_ Top (T) Left (L)  
 \_\_\_ Right (R) Bottom (B)
6. **VIEWS.** 37 CFR 1.84(h)  
 REMINDER: Specification may require revision to correspond to drawing changes, e.g., if Fig. 1 is changed to Fig. 1A, Fig. 1B and Fig. 1C, etc., the specification, at the Brief Description of the Drawings, must likewise be changed.  
 \_\_\_ Views not labeled separately or properly. Fig(s) \_\_\_\_\_
7. **SECTIONAL VIEWS.** 37 CFR 1.84(h)(3)  
 \_\_\_ Sectional designation should be noted with Arabic or Roman numbers. Fig(s) \_\_\_\_\_

8. **ARRANGEMENT OF VIEWS.** 37 CFR 1.84(i)  
 \_\_\_ Words do not appear on a horizontal, left-to-right fashion when page is either upright or turned so that the top becomes the right side, except for graphs. Fig(s) \_\_\_\_\_
9. **SCALE.** 37 CFR 1.84(k)  
 \_\_\_ Scale not large enough to show mechanism without crowding when drawing is reduced in size to two-thirds in reproduction. Fig(s) \_\_\_\_\_
10. **CHARACTER OF LINES, NUMBERS, & LETTERS.** 37 CFR 1.84(l)  
 \_\_\_ Lines, numbers & letters not uniformly thick and well defined, clean, durable, and black (poor line quality). Fig(s) \_\_\_\_\_
11. **SHADING.** 37 CFR 1.84(m)  
 \_\_\_ Solid black areas pale. Fig(s) \_\_\_\_\_  
 \_\_\_ Solid black shading not permitted. Fig(s) \_\_\_\_\_
12. **NUMBERS, LETTERS, & REFERENCE CHARACTERS.** 37 CFR 1.84(p)  
 \_\_\_ Numbers and reference characters not plain and legible. Fig(s) \_\_\_\_\_  
 \_\_\_ Figure legends are poor. Fig(s) \_\_\_\_\_  
 \_\_\_ Numbers and reference characters not oriented in the same direction as the view. 37 CFR 1.84(p)(1) Fig(s) \_\_\_\_\_  
 \_\_\_ English alphabet not used. 37 CFR 1.84(p)(2) Fig(s) \_\_\_\_\_  
 \_\_\_ Numbers, letters and reference characters must be at least 32 cm (1/8 inch) in height. 37 CFR 1.84(p)(3). Fig(s) \_\_\_\_\_
13. **LEAD LINES.** 37 CFR 1.84(q)  
 \_\_\_ Lead lines missing. Fig(s) \_\_\_\_\_
14. **NUMBERING OF SHEETS OF DRAWINGS.** 37 CFR 1.84(u)  
 \_\_\_ Sheets not numbered consecutively, and in Arabic numbers beginning with number 1. Sheet(s) \_\_\_\_\_
15. **NUMBERING OF VIEWS.** 37 CFR 1.84(u)  
 \_\_\_ Views not numbered consecutively, and in Arabic numerals, beginning with number 1. Fig(s) \_\_\_\_\_
16. **DESIGN DRAWINGS.** 37 CFR 1.152  
 \_\_\_ Surface shading shown not appropriate. Fig(s) \_\_\_\_\_  
 \_\_\_ Solid black surface shading is not permitted except when used to represent the color black as well as color contrast. Fig(s) \_\_\_\_\_

## COMMENTS:

Another set of formal drawing is reg'd.  
 The bottom parts were cut off in scanning.

Reviewer: A.D.

If you have questions, call (703) 305-8404.

Date: 12/7/04Attachment to Paper No. 20041206